

Application No. 09/920,391
Reply to Office Action of May 10, 2004.

AMENDMENTS TO THE CLAIMS

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (canceled)

8. (canceled)

9. (currently amended) A video standards converter (VSC) comprising:

a first input module having a first video standard and converting a first input video signal from the first video standard to ~~the~~ a third video standard;

a second input module having a second video standard and converting a second input video signal from the second video standard to the third video standard;

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a bus attached to the first and second input modules and having the third video standard;

a first output module attached to the bus and having a fourth video standard;

a second output module attached to the bus and having a fifth video standard; and

wherein the fourth video standard is different from the fifth video standard.

10. (original) The VSC of claim 9 wherein at least one of the input modules is a dual-input module having connectors for connection to a pair of sources of the same video standard.

11. (original) The VSC of claim 9 wherein at least one of the output modules is a dual-output module having two connectors for connection to devices with the same video standard.

12. (original) The VSC of claim 9 wherein the first and second video standards are selected from the group consisting of OEC Hi-Res monochrome, Dual NTSC/PAL S-Video, VESA computer video, HDTV, and Digital Video.

13. (currently amended) A system for converting video standards comprising:

a first input module receiving ~~an~~ first analog video signal from a first video source and converting the first analog video signal to a digital video signal, wherein the first input module converts the first analog video signal from a standard of the first video source to a bus standard;

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a second input module receiving an second analog video signal from a second video source and converting the second analog video signal to a digital video signal, wherein the second input module converts the second analog video signal from a standard of the second video source to the bus standard;

a bus attached to the first and second input modules;

an input selection and control device (ISC) for selecting at least one of the first and second input modules to drive the bus;

first and second output modules attached to the bus;

a first video device attached to the first output module; and

wherein the first output module converts a ~~standard of a~~ digital video signal from a the bus standard to a standard of the first video device.

14. (original) The system of claim 13 wherein at least one of the first and second input modules converts a standard of a video signal to match the video standard of the bus.

15. (original) The system of claim 14 wherein a video standard of the first output module is different from a video standard of the second output module.

16. (original) The system of claim 13 and comprising a computer for controlling the ISC.

17. (original) The system of claim 16 and comprising a foot-pedal for controlling the computer.

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18. (original) The system of claim 13 wherein at least one of the input modules is a dual-input module having a pair of connectors connected to sources having identical standards.
19. (original) The system of claim 13 wherein at least one of the output modules is a dual-output module having a pair of connectors connected to two video devices having identical video standards.
20. (original) The system of claim 13 and comprising a third output module, wherein the first, second, and third output modules have different video standards.
21. (original) The system of claim 13 and comprising:
a second video device; and
wherein the first video device is attached to the first output module;
wherein the second video device is attached to the second output module;
wherein the first and second video devices have different standards.
22. (currently amended) A system for converting video standards comprising:
a first input module receiving an first analog video signal from a first video source and converting the first analog video signal to a digital video signal, wherein the first input module converts the first analog video signal from a standard of the first video source to a bus standard;
a second input module receiving an second analog video signal from a second video source and converting the second analog video signal to a digital video signal,

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wherein the second input module converts the second analog video signal from a standard of the second video source to the bus standard;

a bus attached to the first and second input modules;

an input selection and control device (ISC) for selecting at least one of the first and second input modules to drive the bus;

a computer for controlling the ISC;

first and second output modules attached to the bus;

a first video device attached to the first output module;

a second video device attached to the second output module; and

wherein the first output module converts a standard of a video signal from a ~~bus standard~~ the bus standard to a standard of the first video device;

wherein a video standard of the first output module is different from a video standard of the second output module;

wherein the first and second video devices have different standards.

23. (currently amended) A system for displaying images from two sources, the system comprising:

a first input module converting a first analog video signal to a first digital video signal, wherein the first input module converts the first analog video signal from a standard of a first video source to a bus standard;

a second input module converting a second analog video signal to a second digital video signal, wherein the second input module converts the second analog video signal from a standard of a second video source to the bus standard;

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a bus attached to the first and second input modules;
a first output module attached to the bus;
a second output module attached to the bus;
a first display device attached to one of the first and second output modules; and
wherein the bus drives the first output module to convert the first and second
digital video signals to respective first and second analog display signals containing
images for reception by the first display device;
wherein at least a portion of each image from the first and second analog display
signals is displayed on the first display device.

24. (original) The system of claim 23 wherein images from one of the first and second
analog display signals are displayed in a quadrant of the first display device.

25. (original) The system of claim 23 wherein padding is positioned adjacent at least a
portion of an image from the first or second analog video display signals.

26. (original) The system of claim 23 and comprising an ISC for selecting one of the
first and second video signals to be a window image and the other video signal to be the
background image.

27. (original) The system of claim 23 and comprising:
a third input module attached to the bus.

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28. (original) The system of claim 23 and comprising an ISC for controlling positions at which the images from the first and second analog video display signals are displayed on the first display device.

29. (original) The system of claim 23 and comprising:

a second display device; and

whercin the first display device is attached to the first output module;

wherein the second display device is attached to the second output module;

wherein the first and second display devices have different standards.

30. (currently amended) A system for displaying images from two sources, the system comprising:

a first input module converting a first analog video signal to a first digital video signal, wherein the first input module converts the first analog video signal from a standard of a first video source to a bus standard;

a second input module converts a second analog video signal to a second digital video signal, wherein the second input module converts the second analog video signal from a standard of a second video source to the bus standard;

a bus attached to the first and second input modules;

a first output module attached to the bus;

a second output module attached to the bus;

a first display device attached to the first output module;

a second display device attached to the second output module; and

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wherein the first output module converts the first and second digital video signals to respective first and second analog display signals containing images for reception by the first display device;

wherein at least a portion of each image from the first and second analog display signals is displayed on the first display device; and

wherein the first and second display devices have different standards.

31. (original) The system of claim 30 and comprising an ISC for selecting one of the first and second analog video signals to supply window images and the other analog video signal to supply background images.

32. (currently amended) A method for converting a plurality of video sources having a plurality of different standards, the method comprising the steps of:

providing a video standards converter (VSC) comprising:

a first input module;

a second input module;

a bus attached to the first and second input modules;

a first output module attached to the bus;

a second output module attached to the bus;

employing one of the first and second input modules to convert a video signal from analog to digital, wherein one of the first and second input modules converts a standard of the video signal to a bus standard;

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employing the bus to drive one of the first and second output modules to
convert the video signal from digital to analog;
selecting one of the first and second input modules to place a video signal
onto the bus; and
positioning the video signal as the signal is placed on the bus.

33. (original) The method of claim 32 and comprising the step of providing a third
output module attached to the bus.

34. (original) The method of claim 32 and comprising the steps of:
providing a display device attached to one of the output modules; and
displaying images of the video signal on the display device attached to the output
module.

35. (canceled)

36. (canceled)

37. (canceled)

38. (canceled)

39. (new) The VSC of claim 9 wherein the third video standard includes an aspect ratio
of a video image.

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40. (new) The system of claim 13 wherein the bus standard includes an aspect ratio of a video image.

41. (new) The system of claim 22 wherein the bus standard includes an aspect ratio of a video image.

42. (new) The system of claim 23 wherein the bus standard includes an aspect ratio of a video image.

43. (new) The system of claim 30 wherein the bus standard includes an aspect ratio of a video image.